

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Seiichi Takeuchi et al. : Art Unit:
Serial No.: To be assigned : Examiner:
Filed: Herewith :
FOR: DIGITAL TRANSMITTER- :
RECEIVER :

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

S I R :

Prior to formal examination of the above-identified application, please amend the application as follows:

IN THE CLAIMS:

Please replace claim 8 with the following amended claim:

8. (As Amended) The digital transmitter-receiver according to claim 1,
wherein the digital data is a first MPEG transport stream,

wherein said transcoder separates a video elementary stream and an audio elementary stream from the MPEG transport stream, reduces data rate of the video elementary stream by at least one of thinning of a picture from the video elementary stream and thinning of a high frequency component of a discrete-cosine-transform (DCT) coefficient, and outputs a second MPEG transport stream by multiplexing the video elementary stream after the rate reduction and the audio elementary stream .

9. (Newly Added) The digital transmitter-receiver according to claim 2,

wherein the digital data is a first MPEG transport stream,

wherein said transcoder separates a video elementary stream and an audio elementary stream from the MPEG transport stream, reduces data rate of the video elementary stream by at least one of thinning of a picture from the video elementary stream and thinning of a high frequency component of a discrete-cosine-transform (DCT) coefficient, and outputs a second MPEG transport stream by multiplexing the video elementary stream after the rate reduction and the audio elementary stream .

10. (Newly Added) The digital transmitter-receiver according to claim 3,

wherein the digital data is a first MPEG transport stream,

wherein said transcoder separates a video elementary stream and an audio elementary stream from the MPEG transport stream, reduces data rate of the video elementary stream by at least one of thinning of a picture from the video elementary stream and thinning of a high frequency component of a discrete-cosine-transform (DCT) coefficient, and outputs a second MPEG transport stream by multiplexing the video elementary stream after the rate reduction and the audio elementary stream .

11. (Newly Added) The digital transmitter-receiver according to claim 4,

wherein the digital data is a first MPEG transport stream,

wherein said transcoder separates a video elementary stream and an audio elementary stream from the MPEG transport stream, reduces data rate of the video elementary stream by at least one of thinning of a picture from the video elementary stream and thinning of a high frequency component of a discrete-cosine-transform (DCT) coefficient, and outputs a second MPEG transport stream by multiplexing the video elementary stream after the rate reduction and the audio elementary stream .

12. (Newly Added) The digital transmitter-receiver according to claim 5,

wherein the digital data is a first MPEG transport stream,

wherein said transcoder separates a video elementary stream and an audio elementary stream from the MPEG transport stream, reduces data rate of the video elementary stream by at least one of thinning of a picture from the video elementary stream and thinning of a high frequency component of a discrete-cosine-transform (DCT) coefficient, and outputs a second MPEG transport stream by multiplexing the video elementary stream after the rate reduction and the audio elementary stream .

13. (Newly Added) The digital transmitter-receiver according to claim 6,

wherein the digital data is a first MPEG transport stream,

wherein said transcoder separates a video elementary stream and an audio elementary stream from the MPEG transport stream, reduces data rate of the video elementary stream by at least one of thinning of a picture from the video elementary stream and thinning of a high frequency component of a discrete-cosine-transform (DCT) coefficient, and outputs a second MPEG transport stream by multiplexing the video elementary stream after the rate reduction and the audio elementary stream .

14. (Newly Added) The digital transmitter-receiver according to claim 7,

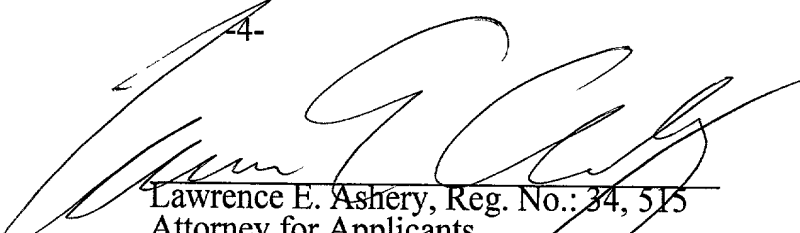
wherein the digital data is a first MPEG transport stream,

wherein said transcoder separates a video elementary stream and an audio elementary stream from the MPEG transport stream, reduces data rate of the video elementary stream by at least one of thinning of a picture from the video elementary stream and thinning of a high frequency component of a discrete-cosine-transform (DCT) coefficient, and outputs a second MPEG transport stream by multiplexing the video elementary stream after the rate reduction and the audio elementary stream .

Respectfully Submitted,

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with markings

Kathleen Libby

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[illegible]

VERSION WITH MARKINGS TO SHOW CHANGES MADE

1 8. (As Amended) The digital transmitter-receiver according to ~~one of~~
2 claim 1 ~~through claim 7~~,

3 wherein the digital data is a first MPEG transport stream,

4 wherein said transcoder separates a video elementary stream and an
5 audio elementary stream from the MPEG transport stream, reduces data rate of the
6 video elementary stream by at least one of thinning of a picture from the video
7 elementary stream and thinning of a high frequency component of a discrete-
8 cosine-transform (DCT) coefficient, and outputs a second MPEG transport stream
9 by multiplexing the video elementary stream after the rate reduction and the audio
10 elementary stream .

Claims 9-14 have been added.

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